No.



200000299

# THE UNITED SHATES OF AMERICA

TO ALL TO WHOM THESE: PRESENTS SHALL COME;

# NERALB Genetics Corporation

MICCOLS, THERE HAS BEEN PRESENTED TO THE

## Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN CAING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY THOU ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CORN, FIELD

'4SCQ3'

In Testimony Macrost, I have hereunto set my hand and caused the seal of the Plant Pariety Protection Office to be affixed at the City of Washington, D.C. this second day of May, in the year two thousand two.

March 1841

On Compler

Commissioner Plant Variety Protection Office Agricultural Marketing Service Agriculture

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued

## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions and information	collection burden s	statement on rever	se)	(7 U.S,C, 2421).	Information is held confidential	mui certificat	e is issued (7 U.S.C. 2426).			
1 NAME OF OWNER DEKALB		2. TEMPORARY DESIGNAT EXPERIMENTAL NAME	ION OR	3. VARIETY NAME 4SCQ3						
4 ADDRESS (Street and No., or R.F.D. No.,	City, State, and ZIP Coo	le, and Country)			5. TELEPHONE (include are.	code)	FOR OFFICIALTISE ONLY			
					(815) 758-928	19 n	RVPQ NUMBER			
	amore Road				6. FAX (include area code)	:	0000200			
DeKalb, II	L 60115				(815) 758-3117	, }	FILING DATE			
7. IF THE OWNER NAMED IS NOT A PERS ORGANIZATION (corporation, partnership,	ON", GIVE FORM OF	8. IF INC	CORPORAT	TED, GIVE	9. DATE OF INCORPORATION	NC				
Corporation	•	Į GIA.	Delaw		June 15, 1988	ŀ	7-17-00			
10. NAME AND ADDRESS OF OWNER REPO	RESENTATIVE(S) TO S	ERVE IN THIS APPLICA	TION. (Firs	t person listed will red	ceive all papers)		FILING AND EXAMINATION FEES:			
Timothy R. Kain DEKALB Genetics Corp 3100 Sycamore Road DeKalb, Il 60115	Traut 3 Genetics C camore Roa IL 60115	•	E S CHOUSE STATE G-8.00  CERTIFICATION FEE:  1 320.00  DATE 4/5/02							
11. TELEPHONE (Include area code)	12. FAX (Include area	code)	13. E_M	AIL 14. CF			ROP KIND (Common Name)			
(815) 758-9281 (815) 758-3117				tkain@dekalb.com			Corn			
15 GENUS AND SPECIES NAME OF CROP	AILY NAME (Bolanical) 17. IS			THE VARIETY A FIRST GENERATION (BRID?						
Zea m	<u>ays</u>	•		Graminea	e	ſ	☐ YES X NO			
18. CHECK APPROPRIATE BOX FOR EACH reverse)  a. X Exhibit A. Origin and Breeding I  b. X Exhibit B. Statement of Distincts	19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act)  YES (If 'yes', answer items 20 X NO (If "no," go to item 22) and 21 below)									
c. X Exhibit C. Objective Description d. T Exhibit D. Additional Description	•			20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?						
e. X Exhibit E. Statement of the Basi	`			^	ES					
Voucher Sample (2,500 viable userification that tissue culture will repository)	ntreated seeds or, for tu I be depositied and main	ber propagated varieties Kained in an approved p	ublic	21. IF "YES" TO ITEM 20, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?						
g. X Filing and Examination Fee (\$2, States" (Mail to the Plant Variety	(50), made payable to " Protection Office)	Freasurer of the United		FOUNDATION REGISTERED CERTIFIED						
22. HAS THE VARIETY (INCLUDING ANY HAI FROM THIS VARIETY BEEN SOLD, DISPO OTHER COUNTRIES?	23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?									
X YES U.S. February  IF YES, YOU MUST PROVIDE THE DATE FOR EACH COUNTRY AND THE CIRCUM	YES X NO  IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)									
24. The owners declare that a viable sample of for a tuber propagated variety a tissue cuts. The undersigned owner(s) is(are) the owne and is entitled to protection under the provi- Owner(s) is(are) informed that false repress.	re will be deposited in a or of this security reproductions of Section 42 of the	a public repository and muced or tuber propagates a Plant Variety Protection	neintained for d plant varie n Act,	or the duration of the ety, and believe(s) the	certificate,					
SIGNATURE OF OWNER	SIGNATURE OF OWNER									
NAME (Please print or type) Timothy F	R. Kain			NAME (Please pri	nt or type)					
CAPACITY OR TITLE Patent Scientist	CAPACITY OR TI	DATE								

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GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,450 (\$300 filing fee and \$2,150 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$300 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication:
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties;
  - (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

A hybrid produced from this variety was first sold in the United States - February 2000

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131. 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213. Building 306, Beltsville Agricultural Research Center—East, Beltsville, MD 20705. Telephone: (301) 504-8089.

Public reporting burden for this collection of information is estimated to everage 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your

totacing use uncert, at Department of Agriculture, Cessaries, Cessaries, Control, AG Soft Post, Services, Control tumber, Part Post, Soft Post,

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#### **EXHIBIT A**

#### Origin and Breeding History 4SCQ3

4SCQ3 was selected for greater combining ability and plant health.

Winter 1991-92	The inbred WDAQ2 (a proprietary inbred of DEKALB Genetics Corporation) and a line derived from Pioneer hybrid 3394 were crossed. Nursery rows H35-45 and T38-49.
Summer 1992	S0 seed was grown and self-pollinated (nursery row 7433).
Summer 1993	S1 seed was grown (nursery rows 115-1 to 115-50) and self-pollinated.
Winter 1993-94	S2 seed was grown ear to row and self-pollinated (nursery row 12E-205).
Winter 1994-95	S3 seed was grown ear to row and self-pollinated (nursery row 12C-2236).
Summer 1995	S4 seed was grown ear to row and self-pollinated (nursery rows 344-23). Seed from this row was named 4SCQ3
Winter 1995-96	S5 seed was grown ear to row and self-pollinated (nursery row 7E14-73).
Summer 1996	S6 seed was grown ear to row and self then bulked (nursery rows 416-1 to 417-17)

#### Statement of Stability and Uniformity

Corn inbred 4SCQ3 was coded in 1996 and has been reproduced by self pollination for the past two years and judged to be stable. Inbred 4SCQ3 is uniform for all traits observed.

#### Statement of Variants

4SCQ3 shows no variants other than what would normally be expected due to environment or that would occur for almost any character during the course of repeated sexual reproduction.

#### **EXHIBIT B**

#### **Statement of Distinctness**

DEKALB Genetics Corporation believes that 4SCQ3 is most similar to corn inbred 09DSQ1, an inbred developed by DEKALB Genetics Corporation.

4SCQ3 and 09DSQ1 differ most significantly in the following traits:

### **Quantitative Traits:**

Trait	4SCQ3	Std. Dev.	09DSQ1	Std. Dev.	Difference	Pvalue
Tassel Branch Number	2.2	0.5	8.1	2.0	-5.9	-
Plant Height (cm)	183.6	17.3	196.3	18.4	-12.7	0.00**
Ear Height (cm)	74.4	17.2	65.7	14.9	8.7	0.00**
GDU's to 50% Shed	1560.8	-	1477.3	-	83.5	0.00**
GDU's to 50% Silk	1598.5	-	1534.8	-	63.7	0.00**

Significance levels, indicated as follows: + = 10 %, \* = 5 %, \*\* = 1 %.

#### United States Department of Agriculture, Agricultural Marketing Service Science Division, Plant Variety Protection Office National Agricultural Library Building, Room 500 Beltsville, MD 20705

## OBJECTIVE DESCRIPTION OF VARIETY CORN (Zea mays L.)

Name of Applicant(s)		Variety Seed Sou	ırce	Vari	ety Name or Te		Designation	
DEKALB Genetics Corporation					4	SCQ3		
Address (Street & No., or R.F.D. No., City, State, Zip Code		FOR	OFFICIAL USE					
3100 Sycamore Road, DeKalb, IL 60115 U.S.A.				PVPO	Number 2000 O	029	19	
Place the appropriate number that describes the varietal of whole numbers by adding leading zeroes if necessary. Compl Traits designated by a '*' are considered necessary for an	leteness shoule	d be striven for	to esta	blish	an adequate			
02=Medium Green       07=Yellow       12         03=Dark Green       08=Yellow-Orange       13         04=Very Dark Green       09=Salmon       14	to describe al. 1=Pink 2=Light Red 3=Cherry Red 4=Red 5=Red & White	1 color choices; 16=Pale F 17=Purple 18=Color 19=White 20=White	Purple e less		and #26 in Co 21=Buff 22=Tan 23=Brown 24=Bronze 25=Variegal 26=Other (1	ted (Desc	cribe)	
STANDARD INBRED CHOICES(Use the <b>most similar</b> (in background Yellow Dent Families: Family Members	Yellow De	of these to makent (Unrelated): 09, ND246,			us based on <b>gro</b> Sweet Corn: C13, Iowas			
B14 CM105, A632, B64, B68 B37 B37, B76, H84 B73 N192, A679, B73, NC268 C103 Mo17, Va102, Va35, A682	Oh7, T23 W117, W1 W182BN				Popcorn: SG1533, 4722,	нр301, н	IP7211	
Oh43 A619, MS71, H99, Va26 WF9 W64A, A554, A654, Pa91	White Der CI66, H	nt: 105, Ky228		Pipecorn: Mo15W, Mo16W, Mo24W				
TYPE: (describe intermediate types in Comments section)     2 1=Sweet 2=Dent 3=Flint 4=Flour 5=Pop 6=Ornamental 7=Pipecorn					Standard Inbred Name MO17			
2. REGION WHERE DEVELOPED IN THE U.S.A.:  * 2 1=Northwest 2=Northcentral 3=Northeast 4=Southeas 6=Southwest 7=Other	st 5=Southcent	ral	Stand 2	ard S	Seed Source NC	RIPS_		
3. MATURITY (In Region Best Adaptability; show Heat Unit f section):  DAYS  * 0 8 0 1 5 9 0. 0 From emergence to 50% of the section of the se	of plants in si	lk	DAYS 0 6		HEAT UN 1 3 5 1 5 6 2 9 2		J.U 2/11	
From 10% to 90% pollen				_		' -		
(*) From 50% silk to optimu		i	0 9	0	1 5 2	2 9. 0		
From 50% silk to harves	st at 25% moist	ure				_		
	ndard Deviation	n Sample Size			Standard Devi	iation	Sample Size	
* 2 1 0.6 cm Plant Height (to tassel tip)	10.677	60		4.			120	
* 0 7 8.0 cm Ear Height (to base of top ear node)	9.192	60	0 8				120	
0 1 2.5 cm Length of Top Ear Internode	0.919	60	0 1	4.	8 1.555		120	
Average Number of Tillers								
* 1. 0 Average Number of Ears per Stalk	0.000	60		1.	0 0.078		120	
2 Anthocyanin of Brace Roots: 1=Absent 2=Faint	3=Moderate 4=	-Dark	1					
Application Variety Data	Pag	re 1	Stand	ard I	inbred Data			

Application Variety Data	Page	2	Standard Inbred Data			
5. LEAF:	Standard Deviation	Sample Size	,,,,,,	Standard Deviation	n Sample Siz	
* 0 0 8.1 cm Width of Ear Node Leaf	1.556	60	0 0 9.	0 0.721	120	
* 0 8 1.9 cm Length of Ear Node Leaf	1.414	60	0 6 9.	2 3.387	120	
* 6. 6 Number of leaves above top ear	0.283	30	5. 1	0.383	50	
2 0. 4 degrees Leaf Angle (measure from 2nd leaf above ear	0.283 at anthesis to stalk abo	60 ve leaf)	3 3.5	5.875	100	
* 0 2 Leaf Color (Munsell code 5 GY 4/	8)		0 2 (Mun	sell code 5 GY 4/8	)	
6 Leaf Sheath Pubescence (Rate on se	cale from 1=none to 9=pea	ch fuzz)	2			
5 Marginal Waves (Rate on scale fro	om 1=none to 9=many)		5			
3 Longitudinal Creases (Rate on sc	ale from 1=none to 9=many	)	4			
6. TASSEL:	Standard Deviation	Sample Size		Standard Deviatio	n Sample Siz	
* 0 1. 9 Number of Primary Lateral Branches	0.283	60	6. 0	0.640	120	
2 2. 8 Branch Angle from Central Spike	4.172	60	4 6.1	8.382	100	
* 3 8.5 cm Tassel Length (from top leaf collar to tassel tip)		60	4 7.1	5.755	120	
4. 9 Pollen Shed (Rate on scale from 0=male	-	)	4.3			
2 2 Anther Color (Munsell code 2.5 GY 8/6	with 5 R 5/8)			sell code 2.5 GY 8		
0 2 Glume Color (Munsell code 5 GY 4/8)			0 2 (Mun	sell code 5 GY 4/8	)	
1 Bar Glumes (Glume Bands): 1=Absent 2=1	Present		1			
7a. EAR (Unhusked Data):			1 1 (Mun	sell code 2.5 R 7/	6)	
* 1 4 Silk Color (3 days after emergence) (Mur	nsell code 2.5 R 5/8)	j		sell code 5 GY 4/8		
0 2 Fresh Husk Color (25 days after 50% sill	king) (Munsell code 5 GY	1/8)	2 1 (Munsell code 2.5 Y 8/4)			
2 1 Dry Husk Color (65 days after 50% Silkin	ng) (Munsell code 2.5 Y 8,	<b>/</b> 4)	1	0022 0000 2.0 1 07	-,	
* 3 Position of Ear at Dry Husk Stage: 1=Up	right 2=Horizontal 3=Pende	ent	4			
5 Husk Tightness (Rate on scale from 1=ver	ry loose to 9=very tight)		1			
2 Husk Extension (at harvest): 1=Short (ea 3=Long (8-10 cm beyond e	ars exposed) 2=Medium (<8 ear tip) 4=Very Long (>10		1			
7b. EAR (Husked Ear Data):	Standard Deviation	Sample Size	***	Standard Deviatio	n Sample Siz	
* 1 4.9 cm Ear Length	0.919	30	1 8.6	1.835	60	
4 3. 0 mm Ear Diameter at mid-point	1.414	30	3 5.3	1.638	60	
1 1 0.1 gm Ear Weight	7.000	60	1 0 4.	3 23.000	120	
* 1 6 Number of Kernel Rows	0.283	30	1 1	0.599	60	
2 Kernel Rows: 1=Indistinct 2=Distinct	et		2			
2 Row Alignment: 1=Straight 2=Slightl	ly Curved 3=Spiral		2			
0 8.6 cm Shank Length	1.061	60	1 3.1	2.795	120	
2 Ear Taper: 1=Slight 2=Average 3=Ext	reme		2			
pplication Variety Data			Standard I	nbred Data	<u></u>	
ote: Use chart on first page to choose color code						

Note: Use chart on first page to choose color codes for color traits.

Application Variety Data			riety Data	Page	Page 3				Standard Inbred Data				
8.	KERI	WEL (Dr	ied):	Standard Deviation	Sample Size			_	Standard Deviation	n Sample Size			
	1	0. 4 m	m Kernel Length	0.365	30	1	0.	5	0.715	60			
	0	7. 5 m	m Kernel Width	0.816	30	0	8.	5	0.525	60			
	0	4. 1 m	m Kernel Thickness	0.443	30	0	4.	4	0.339	60			
	3	4.4%	Round Kernels (Shape Grade)		500g	3	1.	7		500g			
		1 A	leurone Color Pattern: 1=Homozygous 2=Se	egregating		1							
(*)		1 9 A	leurone Color (Munsell code Lighter than	n 2.5 Y 9/2)		1	9	(Mu	nsell code Lighter	Than 2.5 Y 9/2)			
*		0 7 H	ard Endosperm Color (Munsell code 2.5 Y	8/10)		0	7	(Mu	nsell code 2.5 Y 8/	10)			
*			ndosperm Type: 1=Sweet (sul) 2=Extra Swe 4=High Amylose Starch 5=Waxy Starch 6=Hi 8=Super Sweet (se) 9=High Oil 10=Other			0	3						
	2	6. 7 gr	m Weight per 100 Kernels (unsized sample	5.657	600 seeds	2	9.	5	3.826	1200 seeds			
9.	COB:			Standard Deviation	Sample Size				Standard Deviatio	n Sample Size			
*	2	7. 5 mr	m Cob Diameter at mid-point	0.707	30	1	8.	5	1.460	60			
		1 9 C	ob Color (Munsell code Lighter than 5 Y	9/1)		1	4	(Mu	nsell code 5 R 3/8)				
10.			SISTANCE (Rate from 1 (most susceptible) blank if not tested; leave Race or Strai										
Α.	Leaf	Blight	ts, Wilts, and Local Infection Diseases										
7 3 8 8 5 7	Comm Eyes Goss Gray Helm Nort Sout Sout Stew	on Smut pot (Ka 's Wilt Leaf S inthosp hern Le hern Ru art's W	t (Puccinia sorghi) t (Ustilago maydis) abatiella zeae) t (Clavibacter michiganense spp. nebrask Spot (Cercospora zeae-maydis) porium Leaf Spot (Bipolaris zeicola) Race eaf Blight (Exserohilum turcicum) Race 2 eaf Blight (Bipolaris maydis) Race 0 ust (Puccinia polysora) Wilt (Erwinia stewartii) cify)	ce 2		8	Rac Rac Rac	e 2					
			iseases										
4 	Corn Head Maiz Maiz Maiz Sorg	Lethal Smut ( e Chlor e Chlor e Dwarf	Necrosis (MCMV and MDMV) (Sphacelotheca reiliana) rotic Dwarf Virus (MCDV) rotic Mottle Virus (MCMV) f Mosaic Virus (MDMV) Strain wny Mildew of Corn (Peronosclerospora so	orghi)		5 8 <b>4</b> -	Str	ain		J.			
c.	Stal	k Rots											
<u>-</u>	Diplo Fusa Gibb	odia St rium St erella	e Stalk Rot (Colletotrichum graminicola) talk Rot (Stenocarpella maydis) talk Rot (Fusarium moniliforme) Stalk Rot (Gibberella zeae)			- - - -							
D	Ear	and Ker	cnel Rots										
υ.	Aspe:	odia Ea	s Ear and Kernel Rot (Aspergillus flavus ar Rot (Stenocarpella maydis) ar and Kernel Rot (Fusarium moniliforme)	)		- - -							
_ _ _	Fusa: Gibb	erella	Ear Rot (Gibberella zeae)			_				<del></del>			

Application Variety Data	Pag	e 4	Standard Inbred Data				
11. INSECT RESISTANCE (Rate from 1 (most susceptible) to 9	(most resistar	t);					
leave blank if not tested):  _ Banks Grass Mite (Oligonychus pratensis) Corn Earworm (Helicoverpa zea) _ Leaf-Feeding	Standard Deviation	Sample Size	-	Standard Deviation	Sample Size		
Silk Feeding: mg larval wt.							
Ear Damage  Corn Leaf Aphid (Rhopalosiphum maidis)  Corn Sap Beetle (Carpophilus dimidiatus)  European Corn Borer (Ostrinia nubilalis)  1 st Generation (Typically Whorl Leaf Feeding)  2 2nd Generation (Typically Leaf Sheath-Collar Feeding)  Stalk Tunneling:  cm tunneled/plant			3 5				
Fall Armyworm (Spodoptera frugiperda) Leaf-Feeding Silk-Feeding: . mg larval wt.							
mg larval wtMaize Weevil (Sitophilus zeamaize)Northern Rootworm (Diabrotica barberi)Southern Rootworm (Diabrotica undecimpunctata)Southwestern Corn Borer (Diatraea grandiosella)Leaf FeedingStalk Tunneling :			- - -				
cm tunneled/plantTwo-spotted Spider Mite (Tetranychus urticae)Western Rootworm (Diabrotica virgifera virgifera)Other (Specify)			· -				
2. AGRONOMIC TRAITS:							
7 Stay Green (at 65 days after anthesis) (Rate o to 9=excellent.)	n a scale from	1=worst	8				
<ul><li>0 0.0 % Dropped Ears (at 65 days after anthesis)</li><li>0 0.0 % Pre-anthesis Brittle Snapping</li></ul>			0 0.0				
0 0.0 % Pre-anthesis Root Lodging			0 0. 9				
0 0.2 % Post-anthesis Root Lodging (at 65 days after	anthesis)		0 0.0				
3 2 5. 9 Kg/ha Yield of Inbred Per Se (at 12-13% grain			3 3 6 5. 9				
3. MOLECULAR MARKERS: (0=data unavailable; 1=data availabl		lied: 2=data su	nnlied)		<del></del>		
1 Isozymes 1 RFLP's 0 RAPD's	c zat not sapp	2204, 2 4404 04	pp===00,				
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OMMENTS (eg. state how heat units were calculated, standar):	d inbred seed	source, and/or	where data was co	llected. Continu	ue in Exhil		
eat Unit Calculation: GDU = Daily Max Temp (<=86°F) + Dai:	la Min Home />	-EO0E) EO0E					



Data was reported as means across years and locations. Each of the
aforementioned characteristics had a wide range of values due to spacial and
temporal variation of the test contributing to the large standard deviation. Growing
conditions (soil, climate, drought conditions, etc.) contributed significantly to influence
the variability of the traits measured.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE	The following statements are made in accordance with the Privacy Act 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.  Application is required in order to determine if a plant variety protectic certificate is to be issued (7 U.S.C. 2421). Information is held confidentiuntil certificate is issued (7 U.S.C. 2426).						
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP							
1. NAME OF APPLICANT(S)	TEMPORARY DESIGNATION     OR EXPERIMENTAL NUMBER	3. VARIETY NAME					
DEKALB Genetics Corporation		4SCQ3					
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (include area code)	6. FAX (include area code)					
3100 Sycamore Road	(815) 758-9281	(815) 758-3117					
DeKalb, IL 60115 U.S.A.	7. PVPO NUMBER	002501					
8. Does the applicant own all rights to the variety? Mark an "X" in appropri	riate block. If no, please explain.	X YES NO					
Is the applicant (individual or company) a U.S. national or U.S. based of  If no, give name of country	ompany?	X YES NO					
	IO If no, please answer one of the f	ollowing:					
b. If original rights to variety were owned by a company(ies), is(are) the	If no, give name of country original owner(s) a U.S. based company	y?					
11. Additional explanation on ownership (if needed, use reverse for extra s	pace):						
PLEASE NOTE:							
Plant variety protection can be afforded only to owners (not licensees) who meet or	ne of the following criteria:						
<ol> <li>If the rights to the variety are owned by the original breeder, that person must be which affords similar protection to nationals of the U.S. for the same genus and</li> </ol>		er country, or national of a country					
<ol><li>If the rights to the variety are owned by the company which employed the origin member country, or owned by nationals of a country which affords similar prote</li></ol>							
3. If the applicant is an owner who is not the original owner, both the original own	er and the applicant must meet one of the al	pove criteria.					
The original breeder/owner may be the individual or company who directed final b		rariety Protection Act for definition.					
According to the Paperwork Reduction Act of 1995, no persons are required to respond to a colle this information collection is 0581-0055. The time required to compete this information collect searching existing data sources, gathering and maintaining the data needed, and completing and	ion is estimated to average 10 minutes per respons						

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

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